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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: **Rodham et al.**

U.S. Application No. **09/890,403**

U.S. Filing Date: **July 31, 2001**

For: **Formulation**

Docket No: **109846.279**

Assistant Commissioner of Patents
Washington, DC 20231

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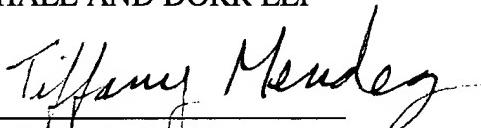
TRANSMITTAL LETTER

Enclosed herewith for filing in the United States Patent and Trademark Office are the following documents:

1. Information Disclosure Statement;
2. PT0-1449;
3. cited references and
4. return receipt postcard

The Commissioner is also authorized to charge any necessary fees to Deposit Account No. 08-0219 to maintain the pendency of the present application.

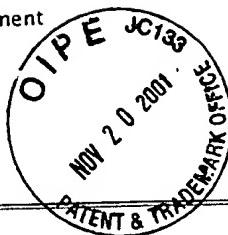
Respectfully submitted,
HALE AND DORR LLP



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November 20, 2001

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PYRETHROID INSECTICIDE

Publication Number: 09-143016 (JP 9143016 A), June 03, 1997

Inventors:

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Applicants

EARTH CHEM CORP LTD (A Japanese Company or Corporation), JP (Japan)

Application Number: 08-278322 (JP 96278322), October 21, 1996

International Class (IPC Edition 6):

A01N-053/00
A01N-053/00
A01N-031/04
A01N-053/00
A01N-037/04
A01N-053/00
A01N-037/44
A01N-053/00
A01N-037/18
A01N-053/00
A01N-033/04
A01N-053/00
A01N-043/50

JAPIO Class:

14.4 (ORGANIC CHEMISTRY--- Medicine)

JAPIO Keywords:

R019 (AEROSOLS)

Abstract:

PROBLEM TO BE SOLVED: To obtain the above insecticide capable of being used in various forms such as an oiling agent and an emulsion by adding a specific compound having a potency-strengthening action to a pyrethroid insecticide high in the safety but slow in action and subsequently compounding the mixture with a liquid carrier.

SOLUTION: This pyrethroid insecticide contains a pyrethroid compound and a potency-strengthening compound. The potency-strengthening compound comprises at least one kind of compound selected from a higher alcohol-ethylene oxide adduct, a polyhydric alcohol-ethylene oxide adduct, a polyhydric alcohol higher fatty acid ester-ethylene oxide adduct phosphate ester salt, an alkyl diaminoalkylglycine and its salt, a higher fatty acid amide and its ethylene oxide adduct, a higher alkylamine and its ethylene oxide adduct. The liquid carrier is preferably water, methylalcohol, acetone, hexane, benzene, dichloromethane, etc. The strengthening agent is preferably added in an amount of approximately 0.5-20 times that of the pyrethroid compound.

JAPIO

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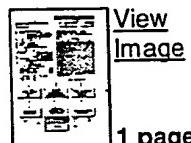
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JP6271422A2: AEROSOL COMPOSITION

JP Japan

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Sept. 27, 1994 / March 22, 1993

P1993000086718
A61K 7/00; A61K 9/12; A61K 47/18; A61K 47/34;
March 22, 1993 JP1993000086718

Purpose: To provide an aerosol composition having excellent emulsion stability between the aqueous phase and the oil phase in the concentrate comprising an emulsion composition and/or between the concentrate and the propellant.

Constitution: The objective aerosol composition comprises (A) the concentrate containing more than 20wt.% of one or more of nonionic surfactants represented by general formula (1) and one or more of lower alcohols of 1 to 3 carbon atoms, and water as well as (B) a propellant. Further, the aerosol composition can contain one or more selected from a betaine type amphoteric surfactant, imidazolinium amphoteric surfactant, and tertiary amine oxide semi-polar surfactants and high fatty acids in the concentrate. Formula: R-(OCH₂CH₂)_n-OH where R is alkyl or alkenyl of 12 to 30 carbon atoms; n is an integer of 10 to 30. When it is used in cosmetics and a quasi-drug, composition shows excellent foam quality, duration and application feeling (not greasy).

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HEMABS 122(04)038509Y CAN122(04)038509Y DERABS C94-347021
DERC94-347021

No patents reference this one

